

OREGON TUALATIN VALLEY



AUGUST, 1985

AMATEUR RADIO CLUB

Po Box 5132 Beaverton, Oregon 97006

EDITOR: AL BERG WB7SIC

Membership: 247

CIRCULATION: 280

President:	Geno Buell	KA7KBH	Trustee:	Linda Cereghino	N7CZY
Vice-Pres:	Hanford Van Ness	KE7BB	Trustee:	Terry Biggs	WB7CHK
Secretary:	Jeff Freedman	K7JF	Trustee:	Al Berg	WB7SIC
Treasurer:	Randy Stimson	KZ7T	Trustee:	Greg Milnes	W7AGQ
			Trustee:	Dave Parker	W7LJN

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

MEETING PROGRAM: COMPLETE PROGRAM DETAILS CAN BE FOUND ON THE BACK PAGE.



RANDY, KA7HJT, MAKING SURE FIELD DAY GETS SET UP RIGHT. RIGHT?



ACTIVITIES

FIELD DAY--CHRISTMAS PARTY--CLUB CAMPOUT--RUSTY KEY--DINE-OUT
HAPPY HOUR CONTEST--OTVARC BREAKFAST--10m CONTEST--CLASSES--
CONVENTION--PROJECT NITE--PUBLIC SERVICE EVENTS--PROGRAMS & MORE

EMERGENCY TRAILER: Yippee Skippee! WE GOT OUR TRAILER. The boys from the committee got a good deal on a used contractors trailer. The good deal was via Jerry Norman, N7ACO, with his contractor contacts. It is a nice one. If you get out for field day you will see it in use at the novice station. Now the fun begins! Wiring, paneling, carpeting, all kinds of jacks and plugs built in and maybe even a frig?? Well, maybe a little one? Okay, let's settle for an ice chest. Anyway, it will be an interesting layout project and though time consuming, it will be a lot of fun. Super deal....

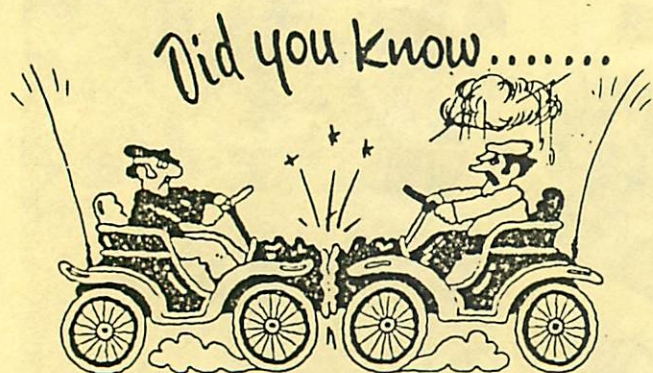
The article above was taken from the June, 1983 newsletter! Two years and little has been done. Hey guys, what's happening? The trailer has come in handy at FD and could be useful for other events. Let's do it!!!!

HALLOWEEN SPOOK PATROL???

Anyone interested in setting up a patrol in Beaverton, Aloha and Hillsboro? Think it over. It is a very nice public service effort.

A BIG help  in PREVENTION

The human brain is a wonderful thing. It starts working before you are born and never stops until you stand up and try to make a speech.



In 1895, there were only 2 cars in the entire state of Ohio. They collided.

VCR RFI WORRIES INDUSTRY

Serious RFI problems with VCRs -- RF pickup by the playback head because of poor shielding, plastic cases, etc., in the 500-700 kHz and 3.5 MHz ranges -- has industry worried. The concern is that prices of VCRs are expected to drop to as low as \$159 by Christmas...making it likely that neighbors on all sides of a ham can afford a VCR. The ARRL Letter

Shown below are the new officers for Oregon's repeater coordinating body. The FCC has handed the responsibility of coordinating to recognized groups of ORGANIZED hams and the ORRC is our leader in that area. Gud luck guys!

ORRC

Oregon Region Relay Council, Inc.
P.O. Box 29101
Portland, OR 97229-9101

July, 1985

1985/86 OFFICERS & BOARD OF DIRECTORS

CHAIRMAN -- Skip Hamilton, KH6DUT

VICE-CHAIRMAN -- Joel Determan, WB7TGZ

SECRETARY/TREASURER -- Warren Winner, W7JDT

BOARD REPRESENTATIVES:

1. West Central Oregon -- Phil Smith, WB7BFX
2. Southern Oregon -- John Newman, KA7QFY
3. Eastern Oregon -- Jack Collins, N7DNV
4. Portland Area -- Dale Justice, K7WWR
5. S/W Washington -- Mark Richardson, WA7NTU

COMMITTEE CHAIRMAN:

1. FCC Liason -- Mark Walker, W7CLU
2. Operations -- Mark Walker, W7CLU
3. Technical -- Cliff Soderback, W7VVA

UPSY GRADES AND CALL CHANGES



We finally got a few to report, thanks to some response to last months plea for information. A big congratulations to Jim Ziegler, KA7TAC, who went up to general from tech. Jim took the extra code test and missed by a hair. Nice going Jim... Dave Dewey latched onto his novice license and we will announce his call when he gets it. The same is true for Joan Vanderzanden who passed her novice. Amy Freedman,

KA7UFI, who is the wife of our SECRETARY, passed her tech. SUPER!

SSSHHHHH!! Don't tell anyone I told you but a rumor is going around that that we might have a SPECIAL pizza party in October. A party that might let you eat all you want for a VERY small price. If the rumor comes true, this could be a whale of a 'family night' function. The only fear is if W7LJN shows up, we could go broke! If we hear any positive rumors, look for the details in next months newsletter. Oh boy! Sure hope it happens.

● Home satellite TV, now a \$2 billion industry, is still growing as evidenced by the number of firms participating in the recent Consumer Electronics Show in Chicago. About 600,000 home dish setups are expected to be installed this year... one million are already in place. One exhibitor, Boman Industries, had a complete \$500 satellite TV package! Industry experts say that \$3000 (6-8 foot dish) systems will be priced at \$1800 within a year. (The USFL is considering satellite broadcasting its 1986 fall games directly to TV stations and satellite owners - unless they scramble, which is unlikely.) W5YI

HUGGED YOUR OTVARC LATELY???

The new ARRL Operating Manual is back from the printer. Covering everything from DXing to digital, from shortwave listening to satellites, the Operating Manual is your source for contemporary operating techniques, and it includes 160-meter frequency allocations around the world and international WARC band (10/18/24 Mhz) allocations. Individual copies are \$5.00 plus \$1.00 for shipping. See June QST, page 116, for more details.

The 4th Edition of the FCC Rule Book has been sent to the printer. This book has been revised and updated to contain a completely accurate copy of Part 97 and an explanation of the new emission designators. The Advanced Class License Manual is also at the printer, and both books should be available in mid-July. If you are studying for your Advanced class ticket, you can't afford to be without either of these books! ARRL LETTER

ACB SPECIAL-INTEREST AFFILIATE FOR RADIO AMATEURS REORGANIZED

As a result of plans discussed during ACB (American Council of the Blind) Convention last year in Philadelphia, Del F. Wachter, WB8TJO, and KW4U are pleased to announce the formation of ACB Radio Amateurs, a successor organization to ACB Service Net. This step has been taken in order to provide for a more comprehensive program of information, referral, and support services to blind radio amateurs.

We recognize that the Net provides a valuable service in the best tradition of Amateur Radio, but we believe that an organized affiliate can and should become more involved in other aspects of our multi-faceted hobby. For example, the new organization can take a leadership role in introducing blind and visually impaired persons to Amateur Radio. In the face of the Volunteer Examiner Program, many clubs and organizations are seeking advice regarding the best methods of administering license tests to blind applicants. A strong and visible organization of blind hams could also approach manufacturers regarding the incorporation of low-cost modifications which would facilitate use of radio equipment by the visually impaired. We would also like to start a newsletter dealing with matters of particular interest to blind amateurs.

We have many exciting ideas, but we need you to help turn these ideas into actual ongoing programs. Don't miss this opportunity to become a charter member of the newly reorganized affiliate, ACB Radio Amateurs. For more information, write to John McCann, KW4U, 2025 Eye Street, N.W., Suite 405, Washington DC 20006. ARRL



Should VECs Maintain Their Own Question Pools?

The FCC has proposed to allow Volunteer Examiner Coordinators to maintain their own question pools used to create examinations for amateur licenses. This maintenance is presently performed by the FCC, and VECs design written examinations by choosing questions from the FCC-issued pool.

If the Notice of Proposed Rulemaking (NPRM) in PR Docket 85-196 is adopted as proposed, VECs will be required to publish the question pools, which would contain at least ten times the number of questions actually used on each test. VECs would be required to also publish the formula used to design each test (the number of questions from each subgroup in the pool that would be on the test).

Existing rules will allow Volunteer

Examiners to design examinations after December 1, 1987. In this Docket, the FCC proposes to speed up the entry of VEs into the exam design process. If the proposal is adopted, VEs would be permitted to design tests using the question pools designed by the Volunteer Examiner Coordinators, or could use VEC-designed tests. Both VECs and VEs would be required to keep examination designs in confidence.

Comments on this proposal may be filed until August 30, 1985. Formal comment requires the filing of an original and five copies to the Secretary, FCC, Washington, DC 20554.

Copies of the NPRM are available from ARRL Hq. for an s.a.s.e. with 39 cents postage affixed.

ARRL LETTER

DON'T FORGET: Upgrade classes begin in early October. Complete details will be in the September issue. Ready, set, GO!

NORTHWEST AMATEUR RADIO COUNCIL

Volunteer Examiners Committee

Portland, Oregon

is sponsoring Amateur Radio License Exams for Technician, General, Advanced and Extra at Portland Community College (Sylvania Campus) in the Science Technology (Bldg 5T), at 12000 SW 49th, Portland, Oregon. Exams will be held the FIRST SATURDAY of EVERY MONTH!

TO REGISTER:

1. Complete FCC Form 610 (be sure to indicate the highest Class of License you will be attempting!)
2. Attach a copy of your Amateur Radio License (if applicable).
3. Make a check or Money Order for four (4) dollars payable to ARRL/VEC.
4. Mail all three of these to:

Randy Cobb/VE Exams

P.O. Box 5097

Aloha, Oregon 97006

5. DEADLINE - Registrations must be received 30 days prior to taking the Exam.

FOR ADDITIONAL INFORMATION:

VE Committee Members:

Armand, WA7IIM 760-2140

Ralph, WB7VGS 649-5045

Dea, KX7T 632-4734

Lea, AL7W 777-1032

Joan, KD7YB 838-5159

Tom, KV7Y 254-8006

Rozy, KA7CED FCC Contact Liaison 255-0739

A "NEW WAY TO WIN"

Our August meeting will feature a 'new way to win' a prize. If you are wearing a club jacket or name badge, you will get one xtra ticket on the meeting drawing. Now we have TWO ways to get free tickets. One for dinner and one for identification. If you are a real cheapskate, you don't need to BUY tickets anymore. Kind of neat, huh! This will mean lots of added mingling for our raffle guys but what the heck, mingling CAN be fun! Don't have a badge or jacket? Why not get one or the other! If you wish, get one of those stick on paper jobs so we know who you are. No matter what, sure hope you win a super prize.....

BOO-BOO!! On June 29, one of our members announced he was monitoring, on 2m, and NB7W called him. The 'member' was motoring down Sunset Highway headed out for our Field Day. John informed him he was a week late!!! It seems that two months of 'letter' info went to waste. Oh well! CeLaVi.....

PUBLIC SERVICE



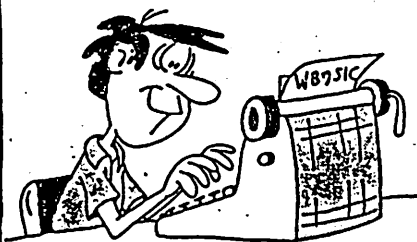
TOTAL TIME AND MILES

CALL	NAME	NO OF EVENTS	TTL TIME	TTL MILES
K2PO	BILL	1	8.0	12
KA5OLH	RICK	7	35.0	140
KA7AKU	JEFF	1	2.0	
KA7BSD	DOC	1	3.0	10
KA7HOJ	JACK	1	8.0	15
KA7KBH	GENO	1	2.0	20
KA7RFD	LORNA	7	49.0	35
KA7RNN	ROGER	1	3.0	
KA7RNO	GORDON	1	3.0	15
KA7SIK	RON	6	42.0	140
KA7TDZ	RANDY	1	8.0	15
KA7UFG	PAT	1	4.0	
KC7PS	BUD	10	68.5	692
KO7B	ALAN	1	8.0	12
KZ7T	RANDY	12	101.0	593
N7CRQ	MARK	1	2.0	20
N7DCQ	JOHN	1	4.0	
N7DUJ	ROY	8	55.5	365
N7DZR	WILLIE	1	8.0	15
N7EPE	SUSAN	2	16.0	25
N7GFK	RANDY	1	4.0	
N7GMS	MIKE	1	2.0	
NA7T	STEVE	1	4.0	
NJ7L	GARY	2	4.0	
W7AXJ	ERNIE	1	8.0	15
W7FBP	DALE	1	19.0	100
W7JWG	BERT	1	5.0	40
WA6KLA	NEIL	1	12.0	100
WB7BCW	ELDON	1	8.0	15
WB7FJC	JANET	3	7.0	
TOTAL:			503.0	2,394

TIME FRAME--JANUARY THRU JUNE

Randy, KZ7T, and Lorna, KA7RFD, took the time to put together this comprehensive list showing how many, how far and how much. A very impressive document. There are some outstanding donations of time and money here. It is unfortunate that only 30 of a membership of 250 have given of themselves but Randy says some efforts toward increasing the number of helpers will be undertaken. A tremendous percentage of members indicate on our membership form an interest in public service but when the SOS is sent out, a small few answer. Human nature? Probably. Anyway, your phone may ring one of these days so be prepared. Your public awaits!!

ARRG NEWS: This leans toward info for the newer members who may not be too familiar with the ARRG repeaters. ARRG meaning Amateur Radio Relay Group! The ARRG operates 147.040 which is on the chanel 6 tower in the West Hills and 147.320 up on South Saddle Mtn. beyond Forest Grove. An autopatch is a feature of both sites with 32 covering the valley and 04 taking care of close in downtown Portland. A 450 repeater is being expected to go up on South Saddle before fall. If interested in membership with ARRG call W7JDT at 644-0752. Address: ARRG, PO Box 10031, Portland, OR 97210. (membership with autopatch-\$20.00 per year)



COMMITTEES: Hup, two, three...

If you asked a cross section of our membership what it takes to keep the club going and growing, you would get a variety of answers. Some would say the newsletter, some would say meeting programs. Other comments would include officer leadership, social

activities, committee work and possibly even a 'no business' atmosphere. I can't help but believe that all of those comments would be true and we could probably add a few more. My personal opinion, if asked, would be to state: COMMITTEES!!! That is, if a single most important aspect of club success was THE prime contributor to the clubs popularity. The single most important contribution to club success is what goes on behind the scenes. NOT what you see and hear at a meeting but all of the details handled during the other 30 or so days of a given month! Committees ARE the lifeblood of ANY hobby type club. It is only through them that the various activities can take place and if they do not perform, member interest dies as well! What can a club such as ours do to insure that we continue to contribute what we can to amateurs in our 'trading area'? Make sure that we have a continuing stream of membership involved in ALL club functions and we can only do this by stressing, to committee chairmen, how important it is to get new blood involved in club activities!! The BIG ??? is how do you do it? The IDEAL method would be as follows: A member who decides to serve the club via a tour of duty on a committee should be allowed to serve as long as he/she wishes. However, should that member be elected to chair the committee, he/she should be required to remain on the committee for at least one year after chairmanship ends. This would be to insure continuity and especially so if the committee is small in numbers. No committee would be allowed to lose more than half of its' constituency in a given year and those who desire to leave should take the responsibility to find a WILLING replacement. It is only in this way that we can be sure to have a STRONG and consistent program of activities for all members, and others, to enjoy. In this ideal situation, two other people would play a VERY large part! The VP of most organizations has little to do. In this case he, or she, would be assigned the task of attending and overseeing as many committee meetings as possible and to report any shortcomings, as well as outstanding efforts, to the club President. The second SUPER CRUCIAL person in this scenario is the President. It is obvious that in every case, the club President is important to club atmosphere and in the area of committee performance this importance is magnified. Attention to detail; a sharp awareness of what is or is not happening is an all important duty of the President and in most instances, what is happening is a result of committee doings.....

So there you have it! Only one persons opinion but derived after watching the comings and goings of many dedicated people over the past 6 or 7 years. Spark plugs have a habit of needing to be changed and people are no different. New ideas, imaginative thinking, exciting events and, much more, is needed to keep a hobby club alive. The BEST way to do it is to involve as many as possible. Our committees and their chairmen are a large part of the solution and YOU are the remainder. CONTRIBUTE!!! Thanks. Al WB7SIC

GEARVAKF MEMBERS VOTE "NO" ON CURRENT ISSUES From GEARVAKF Bulletin

A national survey of all GEARVAKF members, made by the GEARVAKF Public Opinion Subcommittee has now been tallied and here are the results :

QUESTION- How do you feel about the current issues?

A. "No"	84%
B. "Yes"	11%
C. "Undecided"	5%

As for future issues, the results were somewhat different.

QUESTION: How do you feel about future issues?

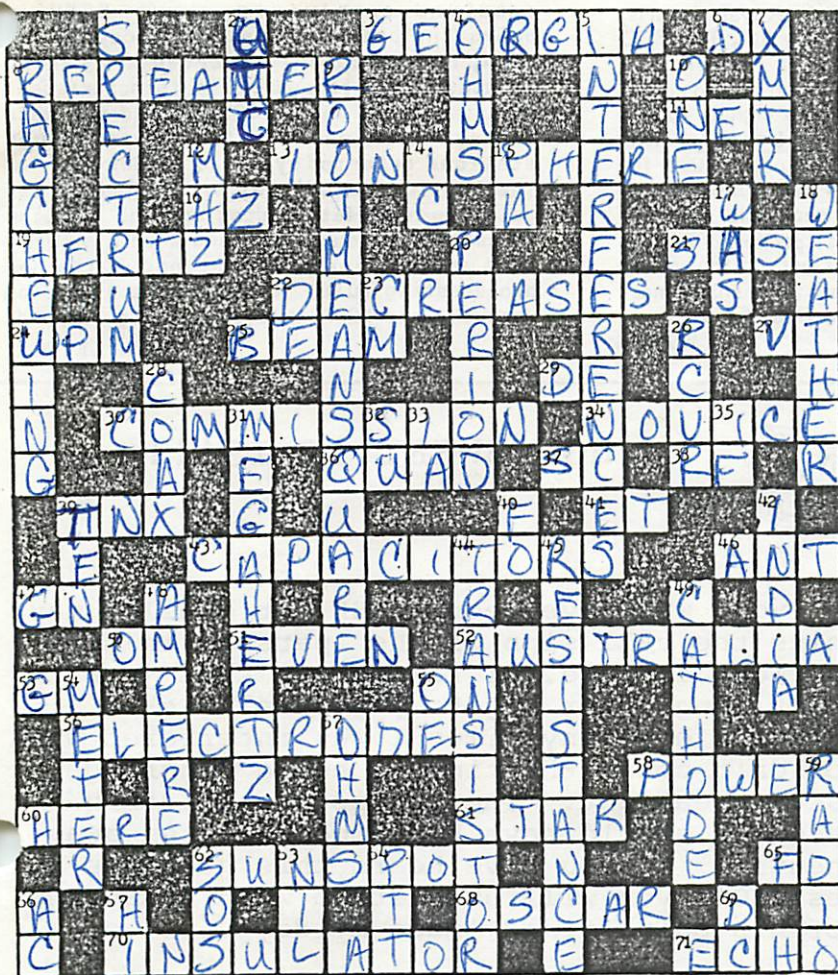
A. "No"	61%
B. "Yes"	12%
C. "Undecided"	27%

The survey shows that GEARVAKF members are very strongly opposed to current issues and not so opposed to future issues. The results of other polls will be published in some other issues (of the GEARVAKF Bulletin -

Crossword Puzzle

John Lawson, WA6ZXX

(via Worldradio)



ACROSS

3. State in W4-land.
6. Radio stations in other countries or at great distances.
8. Station receiving a signal on one frequency and automatically retransmitting it on another.
11. A group of hams meeting on a specific frequency, at a scheduled time, for direct communications.
13. Used to propagate high frequency radio signals over great distances.
16. Hertz (abbr.)
19. One cycle per second.
21. Usually sent to guarantee a reply by mail.
22. Happens to resonant frequency as antenna length increases.
24. Five required for Novice; 13 for General; 20 for Extra.
25. Excellent directional antenna.
27. W1-state with the least number of amateurs. (abbr.)
30. Federal Communications
34. Beginner's ticket.
36. Type of beam antenna.
37. One of North Carolina's neighbors. (abbr.)
38. Radio frequency.
39. Thanks.
41. And.

43. Electrolytics are common types.
46. Antenna. (abbr.)
47. Good night in Morse code.
50. Old man in Morse code.
51. Not odd.
52. Country with "VK" prefix.
53. Good morning in Morse code.
55. Belgium prefix.
56. Tube's internal components
58. Current (I) multiplied by voltage (E).
60. Not there.
61. A heavenly object in radio astronomy.
62. The maximum usable frequency has a direct relation to this cycle.
65. Field day. (abbr.)
68. A Space Age VHF repeater.
70. A poor electrical conductor.
71. The ITU phonetic word for "E."

DOWN

1. The entire range of wavelengths in radio waves.
2. The same as Greenwich mean time.
4. Who's law states voltage(E) = current(I) multiplied by resistance(R).
5. QRM and QRN.
7. Transmitter.
8. Talking for hours.
9. r.m.s.
10. Number of years a log must be kept.
12. A million cycles per second. (abbr.)

14. Integrated circuit.
15. Power amplifier.
17. Award for confirming all states in the U.S.
18. WX
20. ditdahditdahditdah.
22. "This is" in Morse code.
23. Cuba prefix.
26. Receiver.
28. Common transmission line.
31. 1000 kilohertz.
32. Egypt prefix.
33. State in W0-land. (abbr.)
35. Intermediate frequency.
39. Excellent daytime DX band during the years of high sunspot activity.
40. Clipperton Island prefix.
42. The ITU phonetic word for "I."
44. A solid-state tube.
45. Voltage(E) divided by current(I).
48. Unit of current.
49. An electrode of a tube.
54. The approximate metric equivalent to the yard.
55. Austria prefix.
57. Units of resistance.
59. Transceiver in laymen's terms.
62. Distress call in Morse code.
63. Nothing.
64. Push to talk.
66. Type of current found in house lines.
67. The telegraphic laugh.
69. Type of current from a battery.

CRIMINAL COMPLAINTS FILED AGAINST JAMMERS

The FCC announced on July 3, 1985, that criminal complaints had been filed against three individuals accused of making illegal Amateur Radio transmissions. These complaints resulted in the arrest of Glenn L. Barrick of Detroit, Richard Szabo of Farmington Hills and Robert J. King of Redford Township. Pending the filing of formal charges against the individuals involved, the criminal complaints have now been dismissed by the U.S. Attorney for the Eastern Division of Michigan.

Dismissal of the criminal complaints now allows the cases to be processed in a more routine manner. Upon complete review of the case information, the results may be presented to a federal grand jury to seek indictments for violation of Federal law. Conviction could result in a possible maximum sentence of one year in prison and a \$10,000 fine for each offense.

The FCC's Detroit District Office conducted the investigation and located the illegal operators in response to numerous complaints about deliberate interference being caused to Amateur Radio communications.

The ARRL Letter

LATEST CALL SIGN CHANGES

Mike, N7GMS is



A LITTLE VACATION REMINDER

•Four California persons have been fined a total of \$3,900.00 for operating modified ham gear on radio channels they were not authorized to use. Constance Rohrer was fined \$750 for allegedly communicating with a Steve Loomis (also fined \$750) aboard the longrange sportfishing vessel, Royal Polaris, off the California coast on May 9th. The FCC said they were operating on a frequency of 10.770 MHz using SSB amateur radio gear. FCC engineers traced the radio signals to Ms. Rohrer's residence. Frank J. Lopreste, who owns the Royal Polaris, was fined \$2,000 for allowing voyages from Cabo San Lucas to San Diego without an FCC licensed radio operator aboard. Lopreste, who is properly marine radio operator licensed, was not on the vessel during the May 11-14 period. The ship's master, David Kagawa, was also fined \$750.

W5YI

K6KPS FINED \$2000 FOR BROADCASTING

The FCC has fined James Brantley, K6KPS, \$2000 for violating Section 97.113 which prohibits broadcasting in the Amateur Service.

For a long period, the FCC had received complaints about K6KPS' operating practices, and on December 19, 1984, FCC personnel observed him making lengthy CQ calls and calls to nonexistent stations on 20 meter SSB. He did not make contact with any station, even though stations repeatedly tried to answer him. The FCC indicated that prolonged calls, calls to nonexistent stations and refusing to establish communications when his calls were answered were violations of the no-broadcasting rule. The fine was issued on June 13, and K6KPS has 30 days to respond.

ARRL LETTER

Best not to get on the air and tell the whole world you are going on vacation. Not if you expect to find all your belongings intact. Be smart and tell only the local gendarmes!!!



HOW SWEET IT IS!!!

Some of you, who have been on HF for awhile, may recognize the call sign of the 'person' in the above, right article. I ran across this jerk in 1978, not long after I got my general ticket. I can't recall how many times I was interfered with and couldn't count the times I heard others get the K6KPS treatment. The guy is a complete basket case and should have his license taken away permanently. If you have heard this guy mess up peoples QSO's you will understand when I say the news of his being fined 'made my day'.....

While I am on my 'personal opinion' article I might as well give myself an advertising plug. Have you seen some of those neat 'SIC' leather HT cases being sported by fellow members? You, too, can be the proud owner of a 'SIC' case. My phone number is 640-5456. All you have to do is give me a call! Ever dropped your prized HT? Notice how it gets dinged up and scratched? When it comes time to sell it, how much will it be worth? Nice clean ones sell quickly and for a good price. 640-5456. WB7SIC

STOLEN RADIO REPORT

Icom 2AT. Serial #44650. Ron Gould, KD7RJ

Yaesu FT290R all mode 2m rig. Serial #1H031820 + a Mirage B108 amp with remote control head. Winn Tatro at 246-9865.

Kenwood TS130 and AT130 tuner. Inscribed with ND 0530200273. Call Portland Radio at 228-8647.

Yaesu 227R 2m rig and Motorola speaker. Name on inside and outside of case. Call Andy, WB7RKU, at 760-3873.

Kenwood TR7400 SN# 640351-Z. If you have info please call Brice Woodall at 239-4072. No further info is available on the gear.

ICOM 4AT with BP2 battery. Was lost on Mt. Hood ski lift. If found call Don Webber. 981-7310 eves or 255-8634 days.

Kenwood TR2500. SN 4090053. Call Gary Ward at 295-6422 days or 761-9540 eves.

ICOM 37A. SN 31101266. No DC cable. Also, Kenwood 7400A. No Serial number available. It has holes in the top for stack mounting. No mobile bracket & the speaker jack is shorted. Vehicle theft. Roger Johnson at 771-4933

Kenwood TR2500. SN311322. Had a PB 25H battery pack and an SMC speaker mic. Also a Larsen HQ antenna. Burglarized 4/12. Call Rich Wiland at 252-1028.



This poor quality copy of a SPECIAL SERVICE CLUB PATCH is just to remind everyone that the patches are available but to get one you have to check with the club secretary. They are on the largish size, being about 4" across, but really let

a viewer know what it is without having to squint. If you don't have a jacket to put a patch on, see Kathryn, KA7UMB. Cum'n get'm.....

THANKS! I believe Ralph Karls made up a classy sign befitting a classy club. The sign went on the SUGGESTION box. SUPER! Now all the raffle tickets will go in the right container. It does make the odds go up, however. Thanks Ralph...



THIS MONTHS TECHNICAL TIP

FILTER FOR YOUR ELECTRICITY

If you've noticed a sludge or clay-like buildup inside your tubes or diodes lately, or even if you haven't but recently added new equipment to your station, here is a simple preventive step you can take to save lots of \$\$

down the road: **FILTER YOUR ELECTRICITY.**

You know how every time the city works on the water pipes it loosens up a lot of rust. Well, the same thing happens when the electric company works on the lines and they are not always careful to drain off before putting the line back in service. So, it's up to you to protect those tubes and diodes from getting all clogged up.

To test for clogged equipment, loosen and remove one of the easier to get at tubes, invert it and tap it several times against a hard surface. If you notice debris falling inside the tube, the condition is advanced. (Ed. note: with metal tubes and solid state devices, this condition cannot be easily observed so it is recommended that a hole be drilled in the top of metal tubes for observation. With solid state devices you may have to peel off a layer and see if the holes are plugged up and not moving freely.)

To filter your electricity, run the hot lead through an ordinary quart fruit jar. Empty the jar when the sediment is one-fourth full, sometimes referred to as three-fourths empty. The electrons will jump straight across the jar but the sediment, because of its greater weight, will fall to the bottom. Caution: Avoid breathing the filter dust, especially if you have an ashmatic condition. This filter will add years of life to your tubes and diodes. (anonomuss)

PUBLIC SERVICE

The only public service event during July was the Hagg Lake Triathalon on a hot July 7. We met at 6am on TV highway and convoyed to the lake. Jenny drove separately and told us she would have ham and eggs, spuds, danish and orange juice waiting for us. Big Joke! To our surprise everything was on her camp stove and ready. Thanks Jenny-a super start for the day. The Triathalon consisted of a .9 mile swim, 25 miles of cycling and a 6.2 mile run which started a 8am with the last finishers arriving at 1pm. There were 922 participants. We finished the day with a gourmet potluck lunch. Eric Schmidt of KOIN TV was the announcer and the ham operators got many acknowledgments and thanks over the PA system. NEAT! Thanks to KA7SSX Jenny, KA7RFD Lorna, KA7KNG Sherrill, KC7PS Bud and Sally, KE7HS (N7GMS) Mike, N7DUJ Roy and Satsuki, W7JWG Bert and Carol and KZ7T.

*For August we have the Mt. Hood to the coast run for which we have enough volunteers and the Vernonia Black Powder Shoot headed up by Roy, N7DUJ who also has enough volunteers.

*The March Of Dimes Bike-a-thon is August 11 and I DO NEED more people for that one. Please call me at 297-1175 if you can help.

*Speaking of help, we had 4 people answer our plea for new blood in Public Service. Thank you! Bur, we still need more-not procrastinators but people who will really help us.

One other thing. As of this date we are tied, nationally, for third place in the ARRL membership drive contest!! If we could get 2 or 3 more this coming meeting we could be in good position to get a nice HF radio. PLEASE, if you are thinking of joining the ARRL, now is a good time but do it through OTVARC.

See you at the meeting. KZ7T, Randy



WELCOMING COMMITTEE SEZ--

Please welcome the following new members: Hello to Bob Bammerlin, KC7DC, who is a Bio-Med Technician. Bob and wife Shirley reside in Portland. One of his hobbies is working on experiments to communicate by modulating the earth's magnetic field. Interesting!

Hi to Vic Altabe, KA7RKS who hails all the way from NE 115th in Portland. Vic is a student and likes fishing and backpacking. Gary Schmidt, KA7UZZ, and wife Christine, live clear out in Estacada. A LOOOONG way to drive to meetings! Gary is a maintenance mechanic and has a tendency to ride motorcycles, sail and golf when not hamming. Another married couple in our ranks is Don and Vicky Tuite. KB7TB and N7HBJ are the calls. Beaverton is the home base. Don enjoys sailing and aviation while Vicky lists soccer as a second hobby. Don is a writer by vocation. Looks like the editor has another critic! WELCOME TO ALL.....

THE FCC SCREWS UP AGAIN: Comments here relate to the article seen below and to the right. You should read that before going further here. There is nothing wrong with making sure we all keep our code speed current and the response against NO-CODE proved it. A 2wpm increase for a tech or advanced license wouldn't stop very many from upgrading and it would help to keep code alive and interesting. It should come as no surprise that more tests have been given under the VEC program. Those who live in faraway places can now find it much easier to locate a test site closer to home. Thus--more tests given! Pretty simple logic, I would say. The serious aspect of this

is called 'burnout'. How long will those dedicated EXTRA class people keep it going? Will they find a replacement resource when they wear out? An added pool of 96,000 helpers? I think Harry is RIGHT ON...

AWARD CHASERS: HERE IS ANOTHER OPPORTUNITY....

A new award will be offered by OTVARC which is to be a nice certificate. It is to be called "WAM" or "Worked all Morons Stateside". Simply work 100 hams with an IQ between 50 and 70 and send your QSL proofs along with three Excedrin labels to the club address.

How do you tell a moron from a non-moron ham? Here are a few pointers:

1. He uses Q code on voice mode.
2. Runs a KW to talk across town. Is known to do the same for a 6 QSO. (usually found on 80 meters)
3. Points his 2m beam toward his QSO when using a repeater.
4. Fails to laugh at good jokes.
5. Uses 4 letter words on the air.
6. Plays chess on a popular reptr.
7. Uses phonetics on CW.
8. Thinks a Ringo Ranger is super.
9. Makes personal QSTs on ARES nets.

The "WAM" award is good on ALL bands. Those making QSOs' on 1200ghz should send their cards ASAP or make provision in will as to who gets the award.

(Helpful hint: Don't tell your QSO what you are doing or it may take a while to get your card) Gud Luck!!

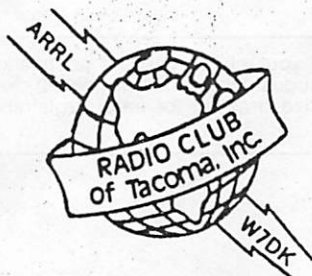
FCC DENIES PETITION TO INCREASE CODE SPEED REQUIREMENTS

The FCC has dismissed a petition for rulemaking filed by Harry Lewis, W7JWJ, which proposed to increase the code speed requirement for the Technician license to 7 words per minute and for the Advanced license to 15 WPM. By making the code requirements more rigorous, Lewis sought to permit Technician class Volunteer Examiners to administer the 5 WPM code test to Novice applicants, and to permit Advanced class VEs to administer the 13 WPM test for the General class license. In this fashion he hoped to release a potential pool of over 96,000 Advanced class operators to administer tests for the General class license.

In turning down the proposal, FCC said in part "... the ostensible objective of this petition, to introduce additional Advanced Class examiners into the volunteer examiner program, is not currently required. Within 1-1/2 years of the creation of the program volunteers appear to be administering amateur operator examinations to over 4,000 applicants each month. This is 50% above the rate they were administered in 1983 under the previous system. There is no indication at this time that the volunteer program suffers either from a lack of volunteer examiners or a lack of examination opportunities."

THE RADIO CLUB OF TACOMA

presents the



TACOMA HAMFAIR



AUGUST 17 & 18, 1985

Pacific Lutheran University
Olson Auditorium
Tacoma, Washington

LICENSE EXAMS (Novice thru Extra)

Send FCC Form 610, a copy of present license and a \$4.00 check payable to ARRL/VEC by July 17 to: Jerry Seligman W7BUN, 12306 — 80th Ave. E., Puyallup, WA 98373

Walk-ins on space available basis.

Testing — Saturday beginning at 10:00 a.m.

AFTER DINNER PROGRAM

featuring

LENORE JENSEN W6NAZ

Actress, Radio & TV Celebrity,
Amateur Radio's Leading Public
Relations Personality

SCHEDULE OF EVENTS

FRIDAY

Flea Market Set-up 1-5 p.m.
Registration 1-5 p.m.

SATURDAY

Registration 7 a.m. - 5 p.m.
Flea Market Set-up 7 a.m.
Hamfair Open ... 9 a.m. - 5:30 p.m.
Dinner/Program 6:30 p.m.

SUNDAY

Registration 8 a.m. - 12
Hamfair Open 9 a.m. - 1:00 p.m.
The Great Prize
Give-Away 1:30 p.m.

CLIP & MAIL

CLIP & MAIL

REGISTRATION

All Licensed Amateurs Are Expected To Register

PLEASE MAKE CHECKS PAYABLE TO: RADIO CLUB OF TACOMA

CLIP & MAIL TO: GRACE TEITZEL AD7S, P.O. Box 45079, Tacoma, WA 98445

PHONE INQUIRIES: EVA ANDERSON WB7QNS, (206) 564-8347

ENCLOSED IS MY CHECK FOR \$ _____ (U.S. Currency) for ...

_____ Registrations at \$5.00

_____ Adults Dinners at \$8.00

_____ Children's Dinners at \$4.00

_____ Dormitory Room Single Occupancy at \$14.00 per night (available Friday & Saturday only)

_____ Dormitory Room Double Occupancy at \$21.00 per night.

_____ Nights R.V. Space at \$2.00 per night (available Fri., Sat. & Sun.) — No Hook-ups

_____ 6 Foot Table(s) for _____ day(s) at \$ _____ (see below)

DINNER RESERVATION

DEADLINE IS

AUGUST 12, 1985

HURRY! Send your check early. If postmarked on or before August 5th, you will receive 2 chances on the prize drawing for each registration ordered.

NOTE: Your ticket packets will be ready at the registration booths.

Names (please print)

Calls

Address _____ City _____ State _____ Zip _____

PRICES FOR FLEA MARKET TABLES: Flea Market Reservation Deadline is August 5, 1985 — must be accompanied by check!

ONE DAY (specify which day)

1 Table \$15.00

Additional Tables (each) \$10.00

TWO DAYS

1 Table \$20.00

Additional Tables (each) \$15.00

TABLE PRICE INCLUDES ONE HAMFAIR REGISTRATION.

MAJOR PRIZES

 **ICOM** IC-745

KENWOOD TS 430S

YAESU FRG 9600

 **ICOM** IC-3200

LADIES PRIZES
"All Ladies Eligible
For Exciting
Prizes."

WOMEN'S ACTIVITIES

- Displays & Demonstrations
- Free Bingo
- Coffee Hours

TALK-IN FREQUENCIES

147.88/28 and 222.92/224.52

You need not be present to win the first three prizes. Club policy requires that you are a licensed amateur or immediate family of a licensed amateur to claim any prize capable of transmitting.

GOT SOMETHING To Sell?

Let us
give you
hand



FOR SALE: Gonset 101 amplifier - uses four 811A's,
800 Watt output on SSB, PLUS extra set
of new final and rectifier tubes. All
above for \$195.00
Call Don N7DDK at 357-6638

To place your **FREE** classified ad call Jim KA7TAC
at 246-2539



CLASSIFIED ADS

FREE!

VISIT YOUR LOCAL RADIO STORE

NORVAC ELECTRONICS

(503) 644-1025 12905 S.W. BEVERDAM ROAD
BEAVERTON, OREGON 97005.

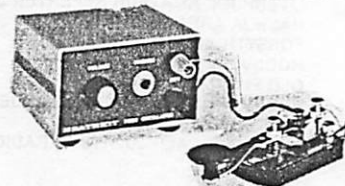
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TOOL CASES
TUBING
FUSES
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LAMPS
CHEMICALS
SENDER SUPPLIES

SOLDER/DE-SOLDER TOOLS
BREADBOARDS
WIRE WRAP TOOLING
KEYBOARDS
SOCKETS
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Brian Hawkins
Manager



Build up your speed code with this handy kit

\$24.95 • Sturdy telegraph key with adjustable rebound, built-in speaker
with volume and tone controls

Use this CW Code Oscillator to get your code speed up and pass your FCC exam in a
simple and inexpensive way. This handy Practice Oscillator features a telegraph
key with adjustable rebound, built-in speaker, volume and tone controls, plus a
headphone jack for private listening. And once you get your license, it can serve as
a side tone oscillator for any transmitter using negative-grid block keying. 2 5/8" H x
4 1/8" W x 4 3/8" D. Operates on 9V battery (not included).

Kit HD-1416, Shpg. wt. 2 lbs. 24.95

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JEFFRY D. SCHULTZ, C.P.A.
Principal

Club Challenge for the '80s

High-frequency Transceivers to be Given to Three Affiliated Clubs.

In addition to the \$5 commission for every new ARRL member, your club can earn a state-of-the-art transceiver! Affiliated Clubs have been divided into three groups: Small clubs—25 or fewer members; Medium clubs—26 through 75 members and Large clubs—over 75 members.

In each group, the club that recruits the most new ARRL

members will receive one of the following: ICOM IC-735, Heath HW-5400, or Kenwood TS-430.*

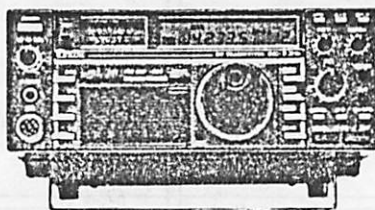
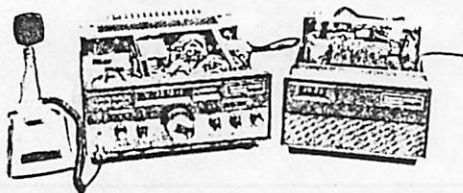
Several hundred clubs have taken advantage of this program, earning \$5 for each new ARRL member they recruit. Here's a list of the participants with their new ARRL-member totals, as of June 6, 1985.

Large Clubs, over 75 members

Club Name	TOTAL CC80s	Section
WEST COAST AMATEUR RADIO CLUB	14	ORG
PHD ARA INC.	13	MO
DELAWARE VALLEY RADIO ASSN. INC.	6	SNJ
OREGON TUALATIN VALLEY ARC	6	OR
DELAWARE-LEHIGH ARC INC.	5	EPA
RADIO AMATEURS OF GREATER SYRACUSE	5	WNY
ALBANY ARC INC.	4	GA
FALMOUTH ARA INC.	4	EMA
LIVERPOOL AMATEUR REPEATER CLUB	4	WNY
NASHUA AREA RADIO CLUB	4	NH
FORSYTH AMATEUR RADIO CLUB	3	NC
HOODVIEW ARC	3	OR
OLD PUEBLO RADIO CLUB	3	AZ
ROCKY MOUNTAIN RADIO LEAGUE	3	CO
SILVER SPRINGS RC INC.	3	NFL
SOUTHERN CALIF AMATEUR RADIO COMPUTER	3	ORG
TRI-CITY ARC	3	WA
TRI-CITY ARC INC.	3	CT
TRI-STATE ARS	3	IN
TRI-TOWN RADIO AMATEUR CLUB	3	IL
VAN WERT ARC	3	OH
VIRGINIA BEACH ARC	3	VA
WARMINSTER ARC	3	EPA
AL MALAIKAH AR SHRINE CLUB	2	LAX
ALBANY ARA	2	ENY
BREVARD REPEATER ASSN.	2	SFL
CAMDEN CITY AUTOPATCH REPEATER ASSN.	2	SNJ
DOWNEY AMATEUR RADIO CLUB INC	2	LAX
INDEPENDENCE FM ARC	2	MO
JERSEY SHORE ARS	2	SNJ
KINGS RADIO CLUB INC.	2	SJV
LAKE MONROE ARS	2	NFL
LEE DE FOREST RC OF HEMET	2	ORG
MONTGOMERY ARC INC.	2	AL
RALEIGH AMATEUR RADIO SOC. INC.	2	NC
RIVERSIDE COUNTY ARA	2	ORG
ROCHESTER ARA	2	WNY
SAN FERNANDO VALLEY A R C	2	LAX
SIOUXLAND AR REPEATER ASSN.	2	IA
TRIPLE STATES RADIO AMATEUR CLUB	2	OH
VIRGINIA ARA	2	VA
WOODBIDGE WIRELESS, INC.	2	VA
YANKEE CLIPPER CONTEST CLUB	2	EMA
ANNE ARUNDEL RADIO CLUB	1	MDC

ARROWHEAD RADIO AMATEURS CLUB	1	MN
BATON ROUGE ARC	1	LA
BEAVER VALLEY ARA	1	WPA
BLUE GRASS ARC INC.	1	KY
BLUE RIDGE ARS INC.	1	SC
BRAZOSPORT ARC INC.	1	STX
BUTLER COUNTY ARA	1	WPA
CEDAR VALLEY ARC INC.	1	IA
CENTRAL AR RADIO EMERGENCY	1	AR
CHARLOTTE AMATEUR RADIO SOC.	1	SFL
COLUMBUS ARA	1	OH
CRES. AMATEUR RADIO CLUB	1	OH
FORT VENANGO MIKE & KEY CLUB	1	WPA
GULF COAST AMATEUR RADIO CLUB INC.	1	NFL
HAMPDEN COUNTY RADIO ASSN. INC.	1	WMA
HILL COUNTRY ARC	1	STX
HOLMESBURG ARC	1	EPA
HUNTSVILLE AMATEUR RADIO CLUB	1	AL
INDIANAPOLIS RCA ARC	1	IN
JACKSON AMATEUR RADIO CLUB	1	MS
KANSAS CITY ARC INC.	1	MO
KEY CITY AMATEUR RADIO CLUB	1	NTX
KILOCYCLE CLUB OF FT. WORTH	1	NTX
LAS VEGAS RADIO AMATEUR CLUB	1	NV
LIBERTYVILLE & MUNDELEIN ARS	1	IL
LOCKHEED AMATEUR RADIO CLUB	1	LAX
LONG ISLAND MOBILE ARC	1	NLI
MAGIC VALLEY CHAPTER	1	ID
MID-ATLANTIC ARC	1	EPA
MONTACHUSETT AMATEUR RADIO ASSN.	1	WMA
MURGAS ARC	1	EPA
MUSKEGON AREA AMATEUR RADIO COUNCIL	1	MI
NITTANY ARC	1	WPA
NORTHROP RADIO CLUB	1	LAX
OCEAN MONMOUTH ARC	1	NNJ
PANHANDLE ARC OF AMARILLO TX	1	NTX
PEORIA AREA ARC	1	IL
RADIO AMATEUR CLUB OF KNOXVILLE	1	TN
RADIO CENTRAL ARC	1	NLI
ROCK CREEK ARA	1	MDC
SAN ANTONIO RADIO CLUB	1	STX
SAN GABRIEL VALLEY RADIO CLUB INC.	1	LAX
STEEL CITY ARC OF PITTSBURGH	1	WPA
SUFFOLK COUNTY RADIO CLUB	1	NLI
SUN CITY AMATEUR RADIO CLUB	1	AZ
TEXAS INSTRUMENTS AMATEUR RADIO CLUB	1	STX
VALLEY ARA	1	VA
WARREN ARA INC.	1	OH

These three hf transceivers will be divided between the three top clubs participating in the Club Challenge for the '80s.



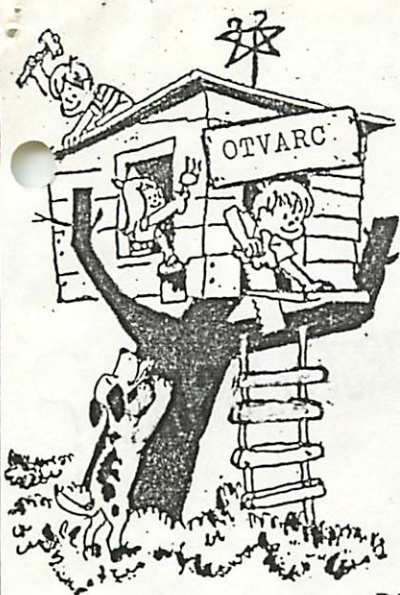
RECRUIT--REKRUT--RECROOT

No matter how you spell it, it comes out with a message of OPPORTUNITY! We are tied for third place and there is no reason we can't be FIRST! A few words of explanation: Those we get to join the League DO NOT HAVE TO BE CLUB MEMBERS. Just make sure that they join the ARRL THROUGH OTVARC. HOW: Direct them to call our club treasurer or the secretary. One or the other will give them the needed info and carry out the details needed to give us credit for the new signup. As noted, the winner in our class will get an HF rig. We would also get various awards as well as a club group picture in QST. WOW! We CAN do it!!!!!!

OREGON ARRL SM REPORT

OREGON: SM, William R. Shrader, W7OMU—STM: W7VSE, SEC: N7CPA, PIO: KC7YN, SGL: KA7KSK, STC: N7ENI, ATC: AK7T, OO: N7SC. Upgrades this month: WA7OYC (Extra); N7GYZ, K7ZJJ, K7IKR, N7GOU (Advanced); KA7UMC, KAT7AV, KA7TAM, KA7DWG, KA7VKI, KA7UGX, KA6AJY, KA7TRL (General); KA7OPS, KA7SOC, KA7VBP, KA7TES, KA7UZX, KA7RNO, KA7ICV, KA7TOH (Technician). WA7IIM was recently promoted to Gas Supply Supervisor for Northwest Natural Gas Co. Congratulations to all and it's nice to see a large upgrading list again. I would like to spend a few words to PAT some real important people on the back. Who are they? They are the many guys and gals who are taking/have taken their valuable time to teach classes, be Elmers, and to assist in the administration of exams through the Volunteer Examiner program. Without their help and expertise Amateur Radio would fall flat on its face. Just look at the budding statistics, and they will tell you things are progressing in a slow positive direction. THANKS to all of you! For the rest of you GET INVOLVED! We still need an Interested Individual to fill the Affiliated Club Coordinator's slot. If you are interested in a challenging position, this might be it. Contact your SM, W7OMU. Great job at Seaside as usual. Lots of good seminar sessions. Traffic: W7VSE 679, N7FLC 287, W7LRB 258, W7ZB 161.

MEETING PROGRAM



Our guest speaker for the August meeting will be Steve Crouch, KC7MY, who is a Section Project Engineer for Tri-Mets' Light Rail System. Steve will talk and show us slides of the light rails past, present and future. Of particular interest will be figures on projected usage and, if the light rail IS a success, what plans there are for extension out into the Washington County area. How about a monorail right down Sunset Highway to the North Plains area? Wouldn't that be neat! Come on out to the meeting and find out first hand what we can expect. By the way, Steve is an easygoing, fluent type of guy so expect his presentation to be what we call a must-see!!!! CU there.

DON'T FORGET! Our program go-getter, Van, is always open for program ideas. Quite surely, some of you members have a great idea or two that might be of interest to us all. Don't make our programs a one man operation. Pitch in with your suggestions. Call Van, our VP, at 246-7975.

NEW CLUB BADGES AVAILABLE



KA7KBH
GENE

Oregon Tualatin Valley ARC

One of our better local vendors, Curley's Engraving has made available to us a design for a new club badge. At left is the proposed design exactly to scale. The coloring is white with red lettering and emblem. Cost of the badge is \$3.50.

A number of members expressed an interest in the new badge at the July meeting. At the time, we did not have the pricing available, hence, none were ordered. A sign up sheet will be posted at future meetings. Our present badges cost \$2.00 and have to be mail ordered from Ohio; the quality ???

WHO TO CALL FOR WHAT

*PUBLIC SERVICE	Randy Stimson	KZ7T	297-1175
	Bud Butterfield	KC7PS	649-1523
*CLUB CONTESTS	Jeff Freedman	K7JF	297-7965
*PROJECT NITE	Terry Biggs	WB7CHK	648-3687
*TECHNICAL	Dee Lynch	KA7NPN	646-4580
*CLUB RAFFLE	Jim Ziegler	KA7TAC	246-2539
*MEETING PROGRAMS	Hanford Van Ness	KE7BB	246-7975
*CLUB SOCIALS	Paul Lucas	WB6SHR	641-8713
*EMERGENCY SERVICE	Willis Raines	N7DZR	292-1656
*TRAINING (classes)	Randy Cobb	KA7HJT	649-5066
*WELCOMING	Doug Bull	N7CDI	649-4540
*PUBLIC RELATIONS	Randy Stimson	KZ7T	297-1175
CLUB JACKETS	Kathryn Andrews	KA7UMB	629-5676
CLUB BADGES	Jeff Freedman	K7JF	297-7965
ROSTER CHANGES	" "	" "	" "
ARRG INFORMATION	Warren Winner	W7JDT	644-0752
CLUB SCRAPBOOK	Doc Miller	KA7BSD	" "
ARRL MEMBERSHIP	Randy Stimson	KZ7T	297-1175
ARRL LEGAL COUNSEL	Stan Weinstein	KX7Y	635-6883
CONVENTION (Oregon)	Al Berg	WB7SIC	640-5456
NEWSLETTER	" "	" "	" "
ARRL LIAISON	" "	" "	" "

* (indicates committee)

CLUB ARRL APPOINTEES

ARES District Emergency Co-ordinator	KZ7T	297-1175
ARES Washington County Co-ordinator	N7GMS	246-5007
ARRL 1988 National Convention Chm.	WB7SIC	640-5456
ARRL Assistant Technical Co-ordinator	K7WWG	649-3295

"WHO TO CALL FOR WHAT" changes

We have two new listings for your information. Kathryn Andrews, KA7-UMB, has offered to take over the club jacket duties and Wes Allen, K7WWG, was recently appointed as an Assist. Technical Co-ordinator for our ARRL area. Congrats to you both and also a thanks for being a "contributor."

DON'T FORGET THE MEETING

Beaverton Elks.
Buffet at 6:15
Meeting at 7:00
SECOND WEDNESDAY

Bring a friend. CU there!!!!

"SIC"



OTVARC
P. O. BOX 5132
BEAVERTON, OR 97006

NOTICE
To make things easier for all of us, please notice this important notice about notices. You may have noticed the increasing number of notices for you to notice. We notice that some of our notices have been noticed. We also notice that some of our notices have not been noticed. This is very noticeable. It has been noticed that the response to the notices has been noticeable. This notice is to remind you to notice the notices and respond to notices because we don't want the notices to go unnoticed.

SIC 16 members
CZY 6 non member adults
SHR 7 kids
WWG
CHK
BWL
~~AKJ~~
AKJ
DZR
Joan
KBH
ACQ
BJT
EPE
LA
BOS
NB7W

FIRST CLASS MAIL ?

AUGUST *gift certificates* STAN, W7NI
PAT, KA7UFG

USED SPECIALS

NEW EQUIPMENT

service work by appointment

1% club rebate

Consignments

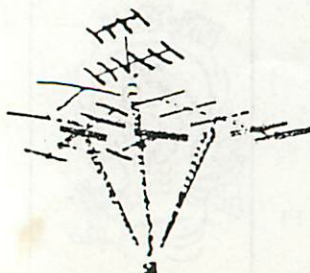
Store Hours:
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We can open most
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